Application No. 10/509,633
Amendment Dated 12/22/2005
Reply to Office Action of 12/13/2005

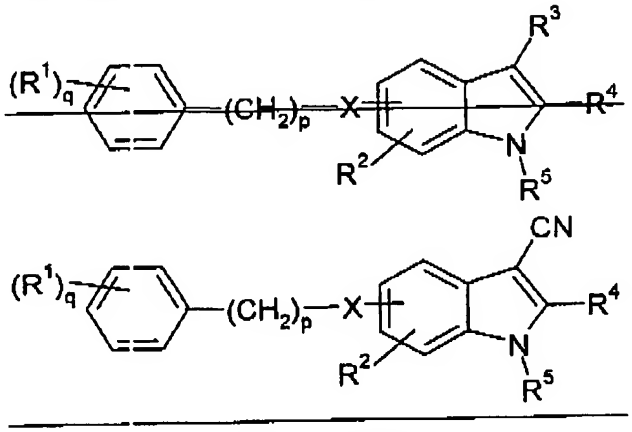
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-6 (canceled)

7. (currently amended) A compound of Formula (VIId),



Formula (VIId)

wherein

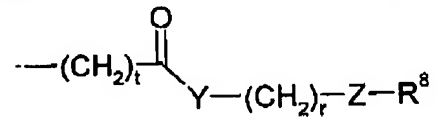
R^1 is independently selected from hydroxy, amino, alkanoylamino, $—OPO_3H_2$, or C_{1-4}alkoxy, wherein the amino group is optionally substituted with an amino acid residue and the hydroxy group is optionally esterified;

X is selected from —O—, —S—, —SO—, or $—SO_2—$;

R^2 is selected from hydrogen, C_{1-4}alkyl, or C_{1-4}alkoxy;

R^4 is independently selected from hydrogen, C_{1-4}alkyl, C_{1-4}alkanoyl, C_{1-4}alkoxycarbonyl, C_{1-4}alkoxycarbonylC_{1-4}alkyl, C_{1-4}alkoxycarbonylamino, amino, aminoC_{1-4}alkyl, carbamoyl, carbamoylC_{1-4}alkyl, cyano, cyanoC_{1-4}alkyl, hydroxy or hydroxyC_{1-4}alkyl;

R^5 is selected from hydrogen, C_{1-4}alkyl, or a group of Formula (III)



Formula (III)

wherein

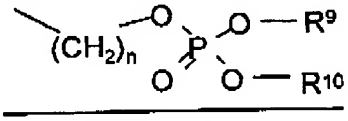
Y is selected from —NH—, —O—, or a bond;

Z is selected from —NH—, —O—, —C(O)—, or a bond;

r is an integer from 0 to 4;

t is an integer from 0 to 1;

R^8 is hydrogen, C_{1-4}alkyl, C_{1-4}alkoxy, aryl, 5- or 6- membered heterocyclyl, 5- or 6-membered heteroaryl, wherein aryl, heteroaryl or heterocyclyl are optionally substituted with C_{1-4}alkyl, C_{1-4}alkoxy, or a group of Formula (IV)



Formula (IV)

wherein

n is an integer from 1 to 6, and;

R^9 and R^{10} are independently selected from hydrogen, C_{1-4}alkyl, or aryl;

p is an integer from 0 to 1 and

~~X, p, R^2, R^3, R^4, and R^5 are as defined in claim 1;~~

q is an integer from 1 to 3.

~~with the proviso that~~

~~when R^3 is cyano, then R^4 cannot be a group of Formula (II); and~~

~~when $(R^1)_q$ is 4-methoxy, 4-amino or 3,4,5-trimethoxy, p is 0 or 1, R^2 is hydrogen or 5-methoxy, R^3 is hydrogen, cyanomethyl, or 2-aminoethyl, and R^4 is hydrogen or ethoxycarbonyl, then R^5 cannot be hydrogen or methyl;~~

or a salt, prodrug or solvate thereof.

8-9. (canceled)

10. (currently amended) A compound, of claim 7, selected from:

3-cyano-5-phenylsulphanyl-1*H*-indole;

3-cyano-5-phenoxy-1*H*-indole;

3-cyano-5-(4-hydroxyphenoxy)-1*H*-indole; and

~~2-cyano-5-benzyloxy-1*H*-indole;~~

1-methyl-3-cyano-5-(4-hydroxy-3,5-dimethoxyphenoxy)-1*H*-indole;

1-methyl-3-cyano-5-(4-phosphonoxy-3,5-dimethoxyphenoxy)-1*H*-indole;

3-cyano-5-(3,4-dimethoxyphenylsulphanyl)-1*H*-indole;

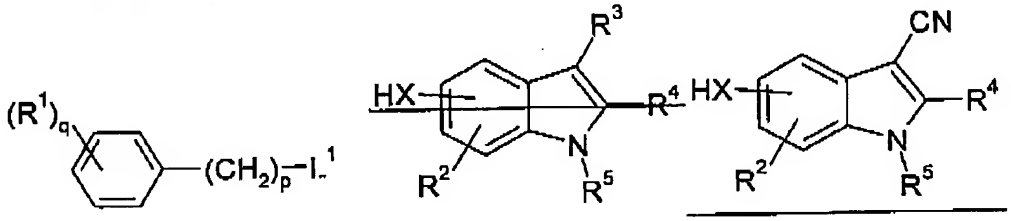
1-methyl-3-cyano-5-(3,4-dimethoxyphenylsulphanyl)-1*H*-indole;

3-cyano-5-(3,4-dimethoxyphenylsulphonyl)-1*H*-indole; and
1-methyl-3-cyano-5-(3,4-dimethoxyphenylsulphonyl)-1*H*-indole;
or salt, prodrug or solvate thereof.

11. (currently amended) A pharmaceutical composition comprising a compound according to any one of Claims 7, ~~to~~ 10, 13 to 21 or a pharmaceutically acceptable salt, solvate or prodrug thereof.

12. (currently amended) A process for preparing a compound of claim 7 [[1]], or salt, solvate or prodrug thereof, comprising

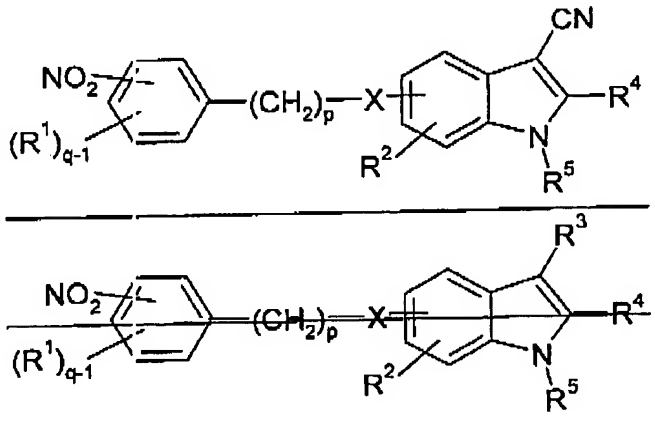
a) for compounds of Formula (I) wherein X is —O— or —S—, reacting a compound of Formula (A) with a compound of Formula (B),



Formula (A) Formula (B)

wherein L^1 is a leaving group;

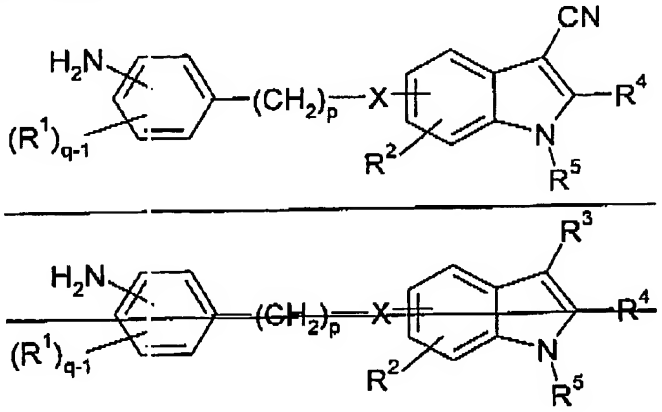
b) for compounds of Formula (I) in which R^1 is amino, reduction of a compound of Formula (C):



Formula (C);

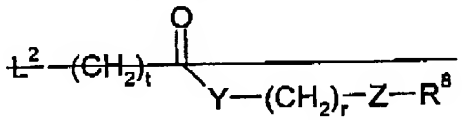
c) for compounds of Formula (I) wherein R^5 is C_{1-4}alkyl, reacting a compound of Formula (I) wherein R^5 is hydrogen with a suitable alkylhalide;

d) for compounds of Formula (I) wherein R^1 comprises an amino group substituted with an amino acid residue, reacting a compound of Formula (D) with an amino acid,



Formula (D);

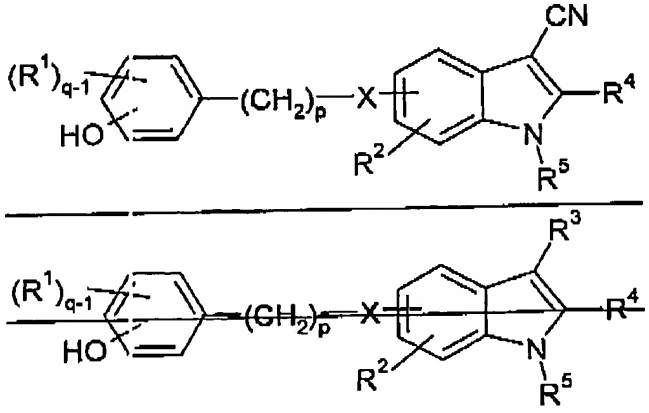
~~e) for compounds of Formula (I) in which R^3 is a group of Formula (II) and R^7 is a group of Formula (III), reacting a compounds of Formula (I) in which R^3 is a group of Formula (II) and R^7 is hydrogen with compounds of Formula (E) below, in which L^2 is a leaving group:~~



~~Formula (E);~~

[[f)]] e) for compounds of Formula (I) in which R^4 is hydrogen, reacting compounds of Formula (I) in which R^3 is hydrogen and R^4 is hydrogen with compounds of L^3R^3 in which L^3 is a leaving group; and

[[g)]] f) for compounds of Formula (I) in which R^1 is an esterified hydroxyl group, reacting a compound of Formula (F) with ar appropriate carboxylic acid or carboxylic acid derivative;



Formula (F)

and thereafter optionally

i) converting a compound of Formula (I) into another compound of Formula (I);

ii) removing any protecting groups;

iii) forming a salt, prodrug or solvate.

13. (new) A compound according to Claim 7 wherein X is —O—;

14. (new) A compound according to Claim 7 wherein X is —S—, —SO— or —SO_2—;

15. (new) A compound according to Claim 7 wherein R^1 is selected from hydroxy, amino, —OPO_3H_2, methoxy, ethoxy, glutamylamino, α-glutamylamino, serylamino, glycylamino and alanylamino.

16. (new) A compound according to Claim 7 wherein R^1 is selected from hydroxy, α-glutamylamino, seryl, —OPO_3H_2 or methoxy.

17. (new) A compound according to Claim 7 wherein q is 2 or 3.

18. (new) A compound according to Claim 7 wherein R^2 is hydrogen.

19. (new) A compound according to Claim 7 wherein R^4 is hydrogen, cyano, carbamoyl, carbamoylC_{1-4}alkyl or C_{1-4}alkoxycarbonyl.

20. (new) A compound according to Claim 7 wherein R^5 is hydrogen or C_{1-4}alkyl.

21. (new) A compound according to Claim 7 wherein R^5 is hydrogen, methyl or ethyl.